BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

BW no DRG

BR540/30-8-14

SBR151/30-8-2014

Tender no 014-14-000029.

Server 18 cum Pvt 2434

Tno : BM/713/13-14 dt 19.2.2014

172042

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

Serial No.....

Name of work. Improved to Wells & checks at Nidarsagalayah in Ward No. 14 : Begalapura ...From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	Earth work Excavation ~~of pits in foundation~~ by manual labour in ordinary soil for ~~foundation~~ trenches ~~or drains~~ not exceeding 1.5m in depth including getting out the excavated ~~soil~~ and depositing the same on one side of the trench or pit as directed ~~and~~ leveling the bottom and sides of trenches ~~or pits~~ and ramming the bottom of the same by ~~hand~~ rammers complete as per specification						
	4th Cum 4J	Rectl	3.50	0.30	0.30	5.25	
		1	3.00	0.30	0.20	7.50	
		1	10.00	0.30	0.30	1.50	
		1	3.00	0.30	0.30	4.50	
		1	3.00	0.30	0.30	4.50	
		1	3.00	0.30	0.30	4.50	
		1	17.00	0.30	0.30	2.55	
				Tue 27 cum		30.30	1729
			65.88/29				

ASE 27/1/14

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Arch Ceiling	2	30.00	0.20	0.075	0.90	
		2	30.00	0.20	0.075	0.90	
		2	30.00	0.20	0.075	0.90	
		2	15.00	0.20	0.075	0.45	
						5.40 Sq	25325/-
				0.690.30 Sq			
	Deduct Steps Stairs & chajja cappings in Cm 1:3 Steps					97.20	6808/-
	Only not done (1)			070.04 Sq			
6	Providing & laying Stairs & Steps treads Risers & Nosing in Cm 1:3 (1 Cement : 3 fine sand) mixing Cement Concrete						
	~~Nosing Coarse only Nos 2 Mtr (2)~~					~~97.20~~	
	Net Only Nos 2 Mtr (2)					162.00	
	Curved Only Nos 2 Mtr (2)					97.20	
	Nosing Only.					64.80 Sq	

M.A.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Nosing.	1
		1
		1
	Nosing	
7	Providing & laying Cement Concrete in 1:4 (1 Cement : 4 Coarse Sand) mixing & Curing Nosing Coarse	

BOOK

ns		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
20	0.075	0.50	
20	0.075	0.50	
20	0.075	0.50	
20	0.075	0.40	
		54.00	25325
4690.50 Sq			
Pedestals in Cm 1:3 Stone			
		97.20 Sqm	6808
70.04 Sq			
Neeraj Mukherjee			
Cement Stone			
		97.20	
		162.00	
		97.20	
		64.80 Sqm	

M.A.R. 57 (Rule 116)

Measurement Book

172044

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	New Plus -	1	30.00	1.00		30.00	
		1	30.00	1.00		30.00	
		1	6.00	1.00		6.00	
						66.00	
	Neeraj Mukherjee Cement Stone						
			66.00 + 66.00 =			130.80 Sqm	44922
			= 343.44 Sqm				
7	Neeraj Cement Concrete Insert Cement Stone Coping Stone not less than 1:3 Cement Sand Mortar Cement Concrete 1:4 Neeraj Mukherjee Stone Chips not less than 20mm Gauge Cement Coping 1:2:4 Mix / Stone Chips Cement Concrete Neeraj Cement						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Wall Coping 4"	2	35.00	0.40		28.00	
		2	30.00	0.40		24.00	
		2	10.00	0.40		8.00	
		2	30.00	0.40		24.00	
		2	30.00	0.40		24.00	
		2	30.00	0.40		24.00	
		2	15.00	0.40		12.00	
				9 24.00 %		144.00 sqm	1331
8	Supply & fixing Precast reinforced Concrete Flag					10 Nos	
	Kitchen Cots & reinforced cement Concrete Slab & Coping Moulded Cover						
	Manhole Iron Cover & Grating Precast Reinforced Cement Concrete						
	4%	1	17.00	0.50		15.30	
		1	4.00	0.50		3.60	
		1	6.00	0.50		5.40	
		1	2.40	0.50		2.16	
		1	10.00	0.50		9.00	
		1	10.00	0.50		9.00	
		1	2.40	0.50		2.16	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಆಫೀಸು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಹಿಂಭಾಗ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಮಾರ್ಕಂಡೇಯ ಬೆಂಗಳೂರು - 560 073.

M.A.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numbe
1	2	3
	4%	1
		1
		16
9	Earth work Excavation Ordinary Soil	
	one hundred Cum 4% Lead	
	Work carried out manually	
	after bench Foundation	
	Ft Cum	3
		4
	Lead Cum	3.00
		4
		5

BOOK

ns		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
40		18-00	
40		24-00	
40		8-00	
40		24-00	
40		24-00	
40		24-00	
40		12-00	
		144-00	133
24-00/4			
50		15-30	
50		3-60	
50		5-40	
50		2-16	
50		9-00	
50		9-00	
50		2-16	

172045

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	MJ	1	30-00	0.90	-	27.00	
		1	30-00	0.90		27-00	
		16	5-00	0.90		4.50	
				1600		104.40	167
9	Earth work Excavation by manual labour in ordinary soil including all lifts and leads as directed by Engineer-in-charge						
	Pit lay	3	5.10	1.00	0.30	4.59	
		4	5.20	1.00	0.30	6.12	
		3.00	5.10	1.00	0.30	4.63	
		4	5.20	1.00	0.30	6.24	
	Lead Cy	5	5.10	1.00	0.30	7.65	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3rd Coy — — —	3	5.20	1.00	0.30	4.50	
		4	5.50	1.00	0.30	6.60	
		3	5.40	1.00	0.30	4.86	
		2	5.50	1.00	0.30	3.30	
			Length 48.04 m			48.48 m	3033
			065-88 m				
10	For grading & making Cavalier Sand Bds - Sides by manually heaping sand bds - Sides making neat & even cuts & using rakes to work Sides & grading to such level as directed in proper & regular manner						
	1st Coy	3	5.10	1.00	0.10	1.53	
		4	5.20	1.00	0.10	2.08	
		3	5.15	1.00	0.10	1.55	
	2nd Coy	4	5.20	1.00	0.10	2.08	
		3	5.10	1.00	0.10	2.04	
		5	5.00	1.00	0.10	1.00	
	3rd Coy	4	5.50	1.00	0.10	2.20	
		3	5.40	1.00	0.10	1.62	1627
		2	5.50	1.00	0.10	1.10	
			Carry 15.37 m			15.68 m	
			0060.50 m				

M.A.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
11	Providing laying spreading and compacting Gravel Materials in clay premises in case of marked inclination of bunds	3 4 3 4 5 3 4 3 2
	2nd Coy	
	3rd Coy	
12	Clearing shrubs & bushes from old sewer beds and carting away Cost of all labour	

BOOK

ons Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
-w	0.30	4.10	
-w	0.30	6.60	
-w	0.30	4.86	
-w	0.30	3.80	
-16 48.04 Cu		48.48 Cu	3033
Cu			
-w	0.10	1.33	
-w	0.10	2.08	
-w	0.10	1.56	
-w	0.10	2.08	
-w	0.10	2.04	
1.w	0.10	1.00	
-w	0.10	2.20	
-w	0.10	1.62	16274
1.w	0.10	1.10	
		15.69 Cu	
		0.1060.50 Cu	

Sub-base by providing and laying compacted graded stone aggregate complete as per the direction of Engineer-in-charge.

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

172046

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
11	providing, laying, spreading and compacting graded stone aggregate (clean, hard, durable, uncoated crushed stone) complete as per the direction of Engineer-in-charge.						
	2nd Coat	3	5.10	1.00	0.20	3.06	
		4	5.20	1.00	0.20	4.16	
		3	5.15	1.00	0.20	3.08	
		4	5.20	1.00	0.20	4.16	
		5	5.10	1.00	0.20	5.10	
	3rd Coat	3	5.10	1.00	0.20	3.06	
		4	5.50	1.00	0.20	4.40	
		3	5.40	1.00	0.20	3.24	
		2	5.30	1.00	0.20	2.20	34405
				@ 1124.04 Cu		30.69 Cu	
12	Clean the already blacktopped surface with brush, soft brush and finally dusted with old gunny bags and compressed air to remove by heavy hand and using cost of all material, labour, tools & plants complete as per						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Masonry work in RR Cmt	1	30.00	$\frac{5.10+5.0}{2}$	-	157.50	
		1	30.00	$\frac{5.20+5.50}{2}$	—	142.50	
		1	30.00	$\frac{4.50+4.80}{2}$	—	141.00	
		1	30.00	$\frac{4.80+4.80}{2}$	—	145.50	
		1	30.00	$\frac{4.80+5.20}{2}$	—	150.00	
		1	20.00	$\frac{5.20+5.50}{2}$	-	107.00	
2nd Cmt		1	41.00	$\frac{5.50+5.00}{2}$		215.25	
		1	42.00	$\frac{5.00+5.50}{2}$		220.50	
		1	30.00	$\frac{5.20+5.30}{2}$		157.50	
		1	30.00	$\frac{5.30+5.20}{2}$		157.50	
		1	20.00	$\frac{5.20+5.30}{2}$		105.00	
3rd Cmt		1	30.00	$\frac{5.50+5.60}{2}$		166.50	
		1	30.00	$\frac{5.60+5.40}{2}$		165.00	
		1	30.00	$\frac{5.40+5.60}{2}$		165.00	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency....

Date of commencement of work.....

Date	Full description, etc, of work	Numb
1	2	3
	DPC to 4th Cmt Cum Mag	1
		1
		1
		1
13	Masonry ← applying boss	
	portion leading by	
	filling cum of all cracks	
	Overall work	

BOOK

ns		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
0+5.0 / 2	-	157.50	
0+4.50 / 2	—	142.50	
50+4.70 / 2	—	141.00	
+4.80 / 2	—	145.50	
+15.20 / 2	—	150.00	
0+5.50 / 2	-	107.00	
+5.00 / 2		215.25	
0+5.50 / 2		220.50	
+5.30 / 2		157.50	
+5.20 / 2		157.50	
+5.30 / 2		105.00	
0+5.60 / 2		168.50	
0+5.40 / 2		165.00	
2+5.60 / 2		165.20	

M.A.R. 57 (Rule 116)

Measurement Book

172047

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ist to 4th Cross Section	1	28.00	5.60+5.80 / 2		159.60	
		1	30.00	5.30+5.30 / 2		162.00	
		1	30.00	5.30+5.60 / 2		163.50	
		1	35.00	5.60+5.50 / 2		194.25	7407
			Length	2860.00 sq		2868.60 sq	
				@ 2.91/sq			
13	Measured & apply rates Work done & prepared Bill per Station heading by Thos in both the Bill & Letter Sq Set (Scarcity of Materials) Cross Section of all work. Overleaf Work Thos (12)			@ 24.71/sq		2868.60 sq	62091/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
14	Providing & laying Cement concrete 1:2:4 (1 part cement : 2 parts coarse sand : 4 parts 10 mm down graded stone aggregate) in foundation / bedding / haunching of sewer including curing complete as per direction of Engineer-in-charge.	Between Manholes	measured in position	Finished cement concrete			
	DSP Cmy	1	30.00	1.35	0.04	1.62	
		1	30.00	1.35	0.04	1.62	
		1	30.00	1.35	0.04	1.62	
		1	30.00	1.35	0.04	1.62	
		1	30.00	1.35	0.04	1.62	
		1	20.00	1.35	0.04	1.08	
		1	41.00	1.35	0.04	2.21	
	2nd Cmy	1	42.00	1.35	0.04	2.26	
		1	30.00	1.35	0.04	1.62	
		1	30.00	1.35	0.04	1.62	
		1	20.00	1.35	0.04	1.08	
	3rd Cmy	1	30.00	1.35	0.04	1.62	
		1	30.00	1.35	0.04	1.62	

M.A

Serial No.....

Name of work.....

Name of Contractor of nature of Agency....

Date of commencement of work.....

Date	Full description, etc, of work	Numb
1	2	3
		1
		1
		1
		1
14	Providing & laying Sewer line with ST. bricks work 100 : 12 Cement mortar (1 : 3) including curing complete as per Engineer in charge. Time for this work is to be completed within DSP Cmy Manhole to Manhole	1
		1

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
) Unpaved Surface wet cured with coarse aggregate cement concrete using ordinary			
g loading of aggregate as per			
ey Specs in 1st 2nd per cubic			
; hydrostatic pressure to be read level			
35	0·04	1·62	
35	0·04	1·62	
35	0·04	1·62	
35	0·04	1·62	
35	0·04	1·08	
35	0·04	2·21	
35	0·04	2·26	
35	0·04	1·62	
35	0·04	1·62	
35	0·04	1·08	
35	0·04	1·62	
35	0·04	1·62	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 172048

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30·00	1·35	0·04	1·62	
		1	28·00	1·35	0·04	1·51	
		1	30·00	1·35	0·04	1·62	
		1	30·00	1·35	0·04	1·62	
		1	31·00	1·35	0·04	1·89	
				@6648.324		29·12 Cu	19354/1
14	Providing and laying Sand cushion below CC Block 25-to-30 mm Grade Concrete with 53 grade ordinary Portland cement @ 200 kg per cubic meter of concrete mixed in Batch type RMC plant of 75 cubic meters per hour capacity conforming to relevant IS code including transportation to site of work, placing, compacting, curing etc complete as per the direction of Engineer-in-charge. The work shall be carried out in all respects as per the Specifications, Drawings and instructions issued from time to time by the Engineer-in-charge.						
	DSR-CWG Misc. Civil Work from Maintenance	1	30·00	5·10+5·10	0·03	4·59	
		1	30·00	5·10+4·50	0·03	4·27	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30·00	4·30+4·80 / 2	0·03	4·23	
		1	30·00	4·80+4·80 / 2	0·03	4·36	
		1	30·00	4·80+5·20 / 2	0·03	4·50	
		1	20·00	5·20+5·30 / 2	0·03	3·24	
	2nd Cwy Grad at 8 31/8/14	1	41·00	5·30+5·60 / 2	0·03	6·45	
		1	42·00	5·60+5·30 / 2	0·03	6·61	
		1	30·00	5·20+5·30 / 2	0·03	4·72	
		1	50·00	5·30+5·20 / 2	0·03	7·87	
	3rd Cwy from manhole	1	30·00	5·60+5·60 / 2	0·03	4·88	C Egl 3/8/14
		1	30·00	5·60+5·40 / 2	0·03	4·95	
		1	30·00	5·60+5·80 / 2	0·03	4·95	
		1	28·00	5·60+5·80 / 2	0·03	4·78	
	2nd Cwy Line	1	30·00	5·30+5·30 / 2	0·03	4·86	E.E.(D.U.)
		1	30·00	5·30+5·60 / 2	0·03	4·90	
		1	35·00	5·60+5·50 / 2	0·03	5·82	
				0963·44/7		85·80	826378/1
16	Compl Junction Manhole Chamber 1441	29·12+85·80		0·52 1/2 Cwy		114·92	5988/-

Audited and admitted for Rs. 176365
Passed by Cheque for Rs. 152535 = M.A.
(.....)

Serial No.....

Name of work..... by adhoc 238302 = 00

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numbe
1	2	3
17	Disposal of debris by the Sq of excavation by the Sepa Channel ST-1	

Certificate

(1) Certified by Contr is satisfied
(2) There are no objections to the measurements
(3) Contr has carried out the work

T.A

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
+4.80	0.03	4.23	
+4.80	0.03	4.36	
+5.20	0.03	4.50	
+5.50	0.03	3.47	
+5.20	0.03	6.45	
+5.50	0.03	6.61	
+5.30	0.03	4.72	
+5.20	0.03	7.87	
+5.20	0.03	4.88	
+5.40	0.03	4.95	
+5.80	0.03	4.95	
+5.80	0.03	4.78	
+5.30	0.03	4.86	
+5.6	0.03	4.90	
+5.50	0.03	5.82	
		85.80 Cu	82638/-
963.44/-			
		114.92	5988/-
52.14/Cu			

C Eqe

3/18

E.E. (D.U.)

Audited and admitted for Rs. 1763659=00
Passed by Cheque for 1525357=00
(.....)
by adjust 238302=00
Accounts Officer Exe. Engineer

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

172049

Serial No.....

Name of work.....From.....To.....

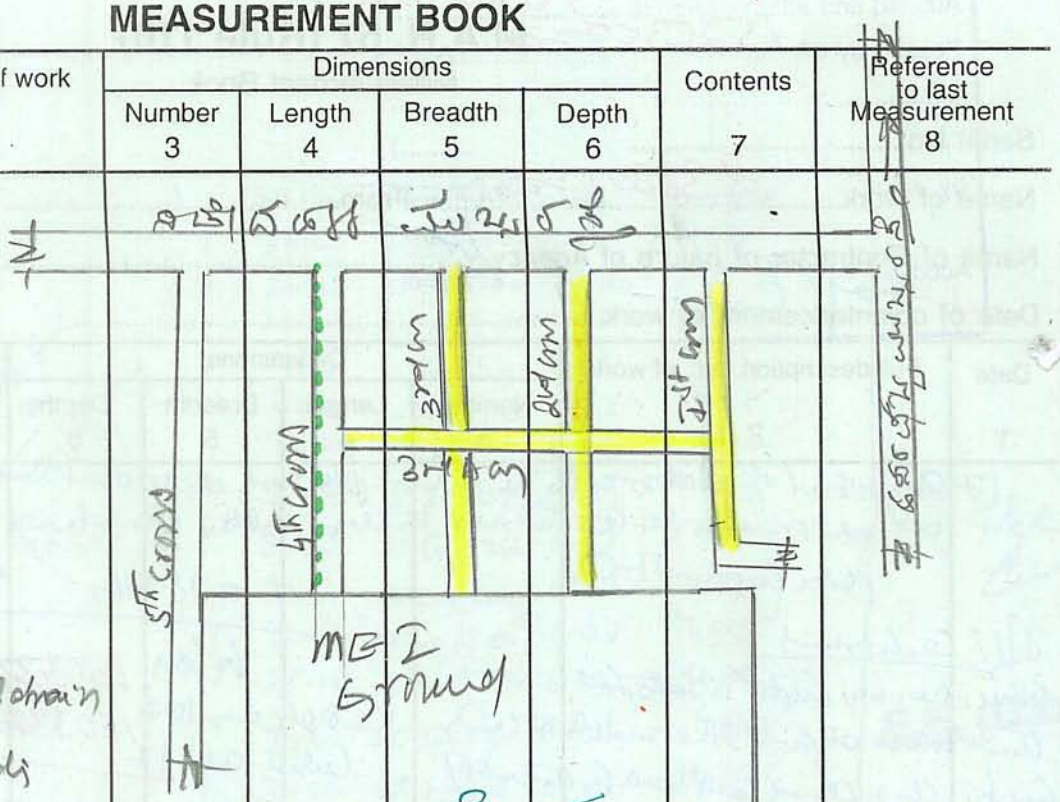
Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
17	Disposal of debris by the final placing disposal with all lead and lift of arrears by the Sewer in cent Bitta workers						
	Carried 3rd				078.247	27.094	2124
	Contract						
	(1) Quantities by Contr is subject to					Total 160327=00	1603995=00
	(2) There are no objections the quantities					Deduction 10% 160332=00	160399.40
	(3) Contr has read all terms fully					Less cum 1+	160399.40
	T.A.					Total - 1763659=00	1796472.20
							T.A.
							3518/Cu 14

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಕಿರಿಯ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
೪೫. ದಾಸರಪಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಯಶವಂತಪುರ, ಬೆಂಗಳೂರು - 560 073

W-14

Bill no 2 & 2 part

BR 527/30-8-2014

M.A.

Serial No.....

Name of work Rm pavement

Name of Contractor of nature of Agency...

Date of commencement of work...

Date	Full description, etc, of work	Number
1	2	3
1	Scarifying Kerb/Gravel ...	
	... disposal ...	
	all labour charges complete	
	Main road Navy layout	1